

ABSTRACT

A projection display apparatus that is lightweight and provides bright, high quality images is provided. The projection display apparatus comprising a color separation and synthesis optical system 4, that performs color synthesis, generating an image, after
5 separating light of the three primary colors of determined polarities into the respective three colors, and modulating those three color lights in relation to respective image signals therefor, and a projection lens 106. The color separation and synthesis optical system 4 comprises polarized light separating means 8, 9, 11 and 16 disposed in respective diagonal directions therein and reflecting spatial light modulating elements 12, 13 and 14 disposed to
10 perform light modulation coordinated to an image signal for each respective color, for light separated according to polarization by the four polarized light separating means 8, 9, 11. Three spatial light modulating elements 12, 13 and 14 are disposed on the outer side of the polarized light separating means 9, 11 and 16, other than the polarized light separating means 8, that is disposed on that side of incident light, at least two from among the four
15 polarized light separating means 8, 9, 11 and 16 are wire grid polarized light separating plates and an astigmatism correcting lens 21 is provided between the polarized light separating means 16 disposed on that side at which projection is performed and at least one of the spatial light modulating elements.